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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/509,241	04/07/2005	Katsuyoshi Takagi	330-284	9920

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EXAMINER

HESS, BRUCE H

ART UNIT PAPER NUMBER

1794

MAIL DATE DELIVERY MODE

02/05/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/509,241

Applicant(s)

TAKAGI ET AL.

Examiner

Bruce H. Hess

Art Unit

1794

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11-28-07.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 and 9-19 is/are pending in the application.
- 4a) Of the above claim(s) 1-7 and 9-19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) 1-7 and 9-19 is/are allowed.
- 6) ☒ Claim(s) 1-7 and 9-19 is/are rejected.
- 7) ☐ Claim(s) 1-7 and 9-19 is/are objected to.
- 8) ☐ Claim(s) 1-7 and 9-19 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 11-28-07 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. 10/509,241.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 11-28-07
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date 11-28-07
- ☐ Notice of Informal Patent Application
- ☐ Other: None

1. Claims 1-7 and 9-17 are again rejected under 35 U.S.C. 103(a) as being unpatentable over the European Motoda et al. patent for the reasons of record.

Protective layers having pigments such as the calcium carbonate preferred by applicants are taught on page 4, lines 31 and 32 of Motoda et al. In the absence of unexpected results or a showing of result-effectivity, the experimental modification of the prior art in order to ascertain optimum operating conditions (e.g., determine compositional proportions) fails to render applicants' claims patentable. Since the protective layer in this patent employs the same materials claimed by applicants, it is inherent that it functions in the manner (e.g., transfer amount of water and contact angle) claimed by applicants.

2. Claims 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over either of the patents to Meguro et al. (USP 5,935,900; see column 7, line 64 and column 8, lines 9-17) or Ozeki et al. (USP 5,977,019; see column 19, lines 4-10 and 36-38).

These patents teach thermal recording material comprising a support, a thermal recording layer and a protective layer containing a silicon-modified polyvinyl alcohol and a pigment. Since the protective layers in these patents employ the same materials claimed by applicants, it is inherent that they function in the manner (e.g., transfer amount of water and contact angle) claimed by applicants.

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

A handwritten signature in black ink, appearing to read "Bruce Hess", with a stylized flourish at the end.

BRUCE H. HESS
PRIMARY EXAMINER
GROUP 1300